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Figure 2

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Figure 3

M = Na, K etc

CONMe₂ H

CONMe₂ SO₃M⁺

CONMe₂

CONMe₂

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Figure 4

CONMe₂ H SO₃ M⁺ (Compound 5b)

H CONMe₂ H

H CONMe₂ SO₃ M⁺

CONMe₂ CONMe₂ H

CONMe₂ CONMe₂ SO₃ M⁺

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Figure 5

X Y Z

CONMe₂ H H

CONMe₂ H $SO_3^*M^+$ CONMe₂ CONMe₂ H

CONMe₂ CONMe₂ $SO_3^*M^+$

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Figure 6

$$X$$
 Y Z
 NO_2 H H
 NO_2 H $SO_3^-M^+$
 NO_2 NO_2 H
 NO_2 NO_2 $SO_3^-M^+$
 $M = Na, K etc$

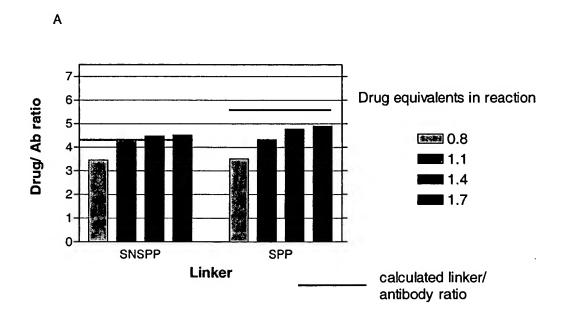
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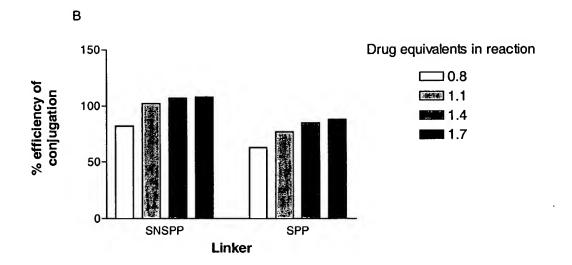
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Comparison of SSNPP and SPP for efficiency of conjugation with increasing drug Figure 7. equivalents in the conjugation reaction.

a) Drug per antibody ratio; b) % efficiency of conjugation based on linker to antibody ratios of 4.2 for SSNPP and 5.6 for SPP.





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Figure 8. Time course for thiol exchange with SSNPP and SPP linker at pH 7.4 Conjugation was conducted at pH 7.4 using a 1.1-fold molar excess of DM1 per linker.

